

#8 OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/512,260

DATE: 06/01/2001
 TIME: 17:40:22

Input Set : A:\PTO.txt
 Output Set: C:\CRF3\06012001\I512260.raw

ENTERED

4 <110> APPLICANT: Adams, Lynn
 5 Davis, Pamela
 6 Ma, Jian Jie
 8 <120> TITLE OF INVENTION: Enhancers of CFTR Chloride Channel
 9 Function
 11 <130> FILE REFERENCE: 03037.86704
 13 <140> CURRENT APPLICATION NUMBER: 09/512,260
 14 <141> CURRENT FILING DATE: 2000-02-24
 16 <150> PRIOR APPLICATION NUMBER: 60/121,495
 17 <151> PRIOR FILING DATE: 1999-02-24
 19 <160> NUMBER OF SEQ ID NOS: 5
 21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 18
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Homo sapiens
 28 <400> SEQUENCE: 1
 29 Gly Leu Glu Ile Ser Glu Glu Ile Asn Glu Glu Asp Leu Lys Glu Cys
 30 1 5 10 15
 31 Phe Phe
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 22
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Homo sapiens
 39 <400> SEQUENCE: 2
 40 Gly Leu Glu Ile Ser Glu Glu Ile Asn Glu Glu Asp Leu Lys Glu Cys
 41 1 5 10 15
 42 Phe Phe Asp Asp Met Glu
 43 20
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 559
 47 <212> TYPE: PRT
 48 <213> ORGANISM: HSV-1
 50 <400> SEQUENCE: 3
 51 Met Ala Arg Phe His Arg Pro Ser Glu Asp Glu Asp Asp Tyr Glu Tyr
 52 1 5 10 15
 53 Ser Asp Leu Trp Val Arg Glu Asn Ser Leu Tyr Asp Tyr Glu Ser Gly
 54 20 25 30
 55 Ser Asp Asp His Val Tyr Glu Glu Leu Arg Ala Ala Thr Ser Gly Pro
 56 35 40 45
 57 Glu Pro Ser Gly Arg Arg Ala Ser Val Arg Ala Cys Ala Ser Ala Ala
 58 50 55 60
 59 Ala Val Gln Pro Ala Ala Arg Gly Arg Asp Arg Ala Ala Ala Gly
 60 65 70 75 80
 61 Thr Thr Val Ala Ala Pro Ala Ala Ala Pro Ala Arg Arg Ser Ser Ser
 62 85 90 95
 63 Arg Ala Ser Ser Arg Pro Pro Arg Ala Ala Ala Asp Pro Pro Val Leu

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64          100          105          110
65 Arg Pro Ala Thr Arg Gly Ser Ser Gly Gly Ala Gly Ala Val Ala Val
66          115          120          125
67 Gly Pro Pro Arg Pro Arg Ala Pro Pro Gly Ala Asn Ala Val Ala Ser
68          130          135          140
69 Gly Arg Pro Leu Ala Phe Ser Ala Ala Pro Lys Thr Pro Lys Ala Pro
70 145          150          155          160
71 Trp Cys Gly Pro Thr His Ala Tyr Asn Arg Thr Ile Phe Cys Glu Ala
72          165          170          175
73 Val Ala Leu Val Ala Ala Glu Tyr Ala Arg Gln Ala Ala Ala Ser Val
74          180          185          190
75 Trp Asp Ser Asp Pro Pro Lys Ser Asn Glu Arg Leu Asp Arg Met Leu
76          195          200          205
77 Lys Ser Ala Ala Ile Arg Ile Leu Val Cys Glu Gly Ser Gly Leu Leu
78          210          215          220
79 Ala Ala Ala Asn Asp Ile Leu Ala Ala Arg Ala Gln Arg Pro Ala Ala
80 225          230          235          240
81 Arg Gly Ser Thr Ser Gly Gly Glu Ser Arg Leu Arg Gly Glu Arg Ala
82          245          250          255
83 Arg Pro Met Thr Ser Arg Arg Ser Val Lys Ser Gly Pro Arg Glu Val
84          260          265          270
85 Pro Arg Asp Glu Tyr Glu Asp Leu Tyr Tyr Thr Pro Ser Ser Gly Met
86          275          280          285
87 Ala Ser Pro Asp Ser Pro Pro Asp Thr Ser Arg Arg Gly Ala Leu Gln
88          290          295          300
89 Thr Arg Ser Arg Gln Arg Gly Glu Val Arg Phe Val Gln Tyr Asp Glu
90 305          310          315          320
91 Ser Asp Tyr Ala Leu Tyr Gly Gly Ser Ser Ser Glu Asp Asp Glu His
92          325          330          335
93 Pro Glu Val Pro Arg Thr Arg Arg Pro Val Ser Gly Ala Val Leu Ser
94          340          345          350
95 Gly Pro Gly Pro Ala Arg Ala Pro Pro Pro Pro Ala Gly Ser Gly Gly
96          355          360          365
97 Ala Gly Arg Thr Pro Thr Thr Ala Pro Arg Ala Pro Arg Thr Gln Arg
98          370          375          380
99 Val Ala Thr Lys Ala Pro Ala Ala Pro Ala Ala Glu Thr Thr Arg Gly
100 385          390          395          400
101 Arg Lys Ser Ala Gln Pro Glu Ser Ala Ala Leu Pro Asp Ala Pro Ala
102          405          410          415
103 Ser Thr Ala Pro Thr Arg Ser Lys Thr Pro Ala Gln Gly Leu Ala Arg
104          420          425          430
105 Lys Leu His Phe Ser Thr Ala Pro Pro Asn Pro Asp Ala Pro Trp Thr
106          435          440          445
107 Pro Arg Val Ala Gly Phe Asn Lys Arg Val Phe Cys Ala Ala Val Gly
108          450          455          460
109 Arg Leu Ala Ala Met His Ala Arg Met Ala Ala Val Gln Leu Trp Asp
110 465          470          475          480
111 Met Ser Arg Pro Arg Thr Asp Glu Asp Leu Asn Glu Leu Leu Gly Ile
112          485          490          495

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113 Thr Thr Ile Arg Val Thr Val Cys Glu Gly Lys Asn Leu Leu Gln Arg
114      500      505      510
115 Ala Asn Glu Leu Val Asn Pro Asp Val Val Gln Asp Val Asp Ala Ala
116      515      520      525
117 Thr Ala Thr Arg Gly Arg Ser Ala Ala Ser Arg Pro Thr Glu Arg Pro
118      530      535      540
119 Arg Ala Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro Val Glu
120      545      550      555
122 <210> SEQ ID NO: 4
123 <211> LENGTH: 27
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: membrane permeating peptide
130 <400> SEQUENCE: 4
131 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu
132 1      5      10      15
133 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
134      20      25
136 <210> SEQ ID NO: 5
137 <211> LENGTH: 16
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: membrane permeating peptide
144 <400> SEQUENCE: 5
145 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
146 1      5      10      15

```

VERIFICATION SUMMARY

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